

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091219\
 Data File : VX012343.D
 Acq On : 12 Sep 2019 12:14
 Operator : SY/SP
 Sample : K4716-07
 Misc : 5.96g/5.0mL/MSVOA X/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-20-D

Quant Time: Sep 12 13:59:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

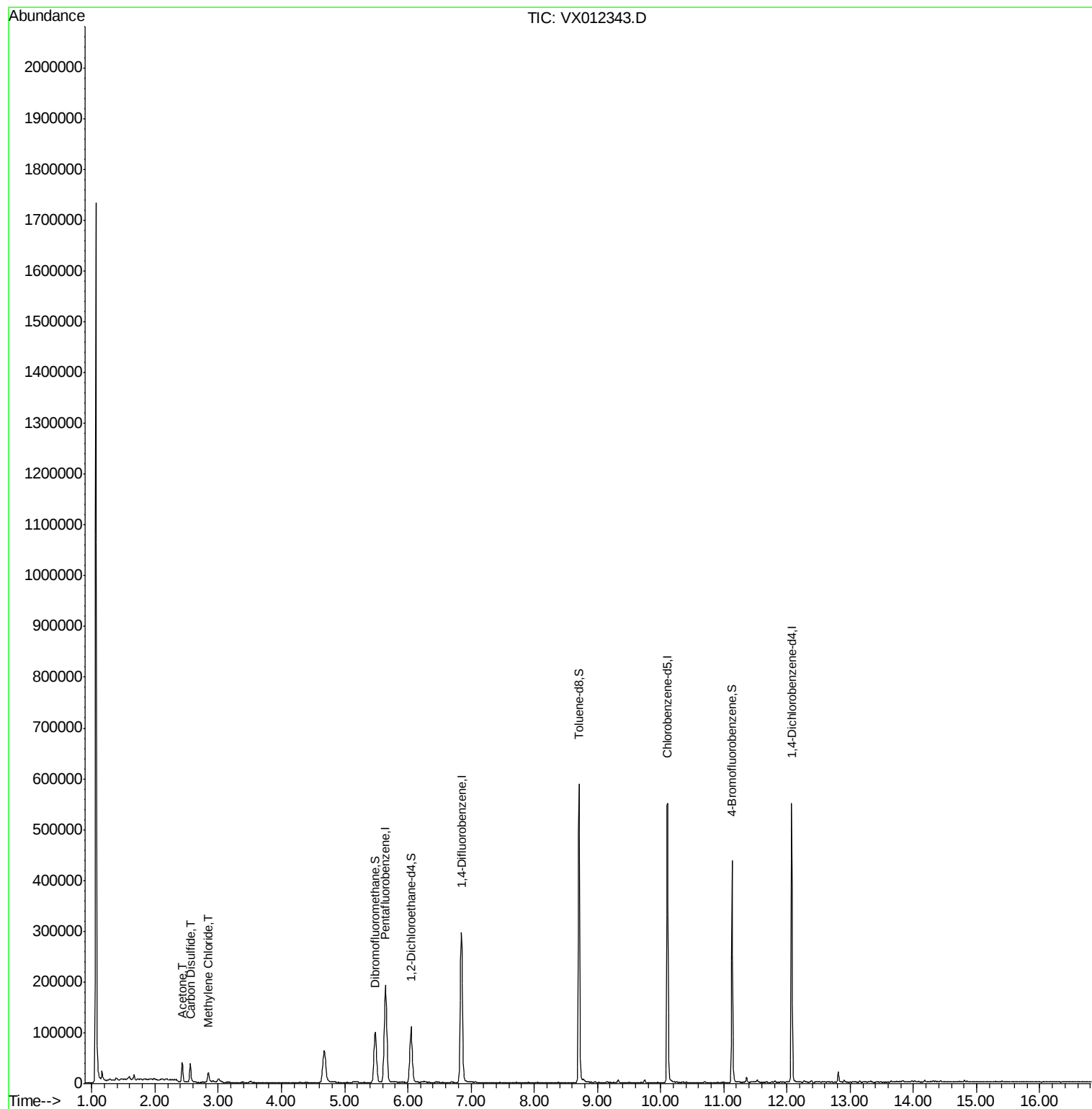
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	164708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281305	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100353	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	109995	47.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.48%	
35) Dibromofluoromethane	5.48	113	83494	46.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.60%	
50) Toluene-d8	8.71	98	333295	52.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	11.13	95	124436	42.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.88%	
Target Compounds						
16) Acetone	2.43	43	39863	72.313	ug/l	97
17) Carbon Disulfide	2.56	76	45488	17.380	ug/l	96
20) Methylene Chloride	2.84	84	8478	2.422	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012343.D

Acq: 12 Sep 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

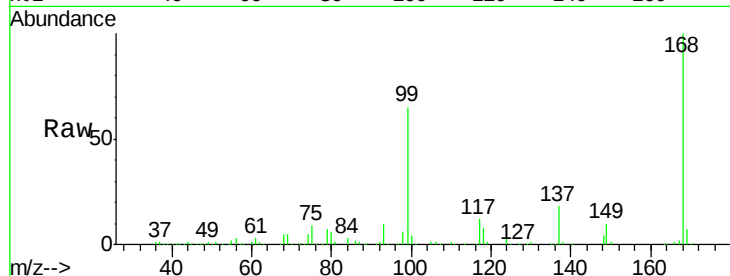
TP-20-D

Tot Ion:168 Resp: 164708

Ion Ratio Lower Upper

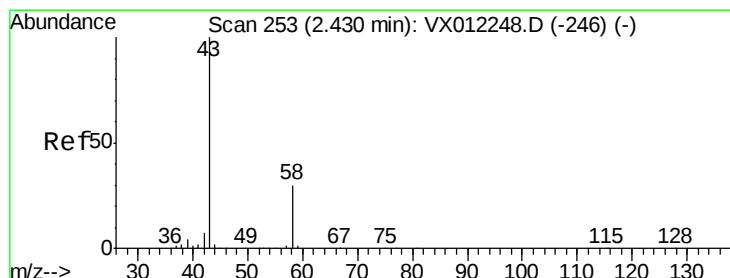
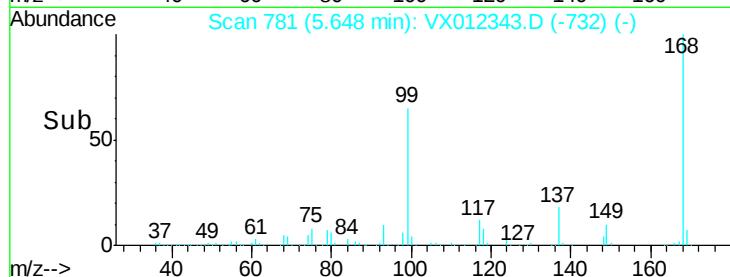
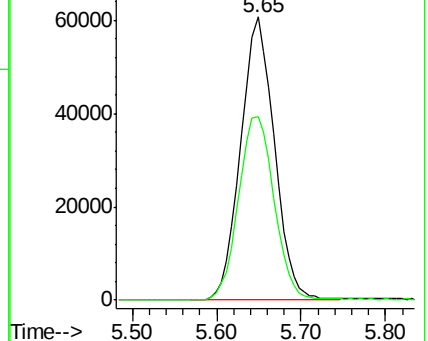
168 100

99 65.1 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 72.313 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012343.D

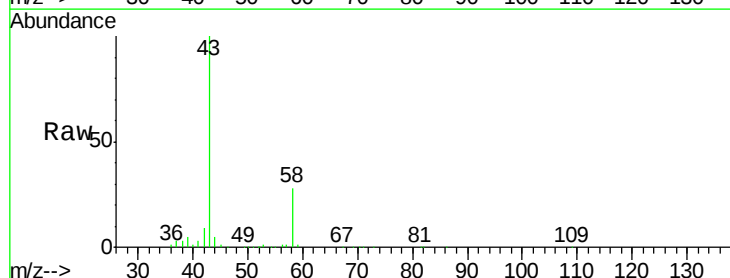
Acq: 12 Sep 2019 12:14

Tgt Ion: 43 Resp: 39863

Ion Ratio Lower Upper

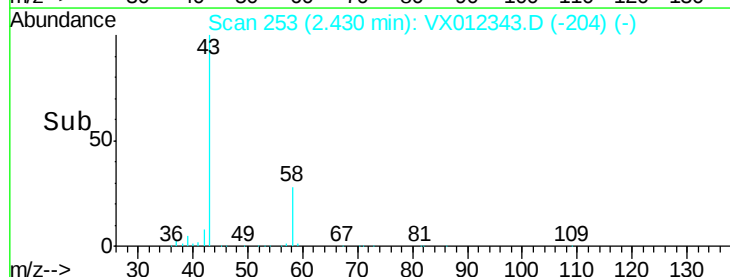
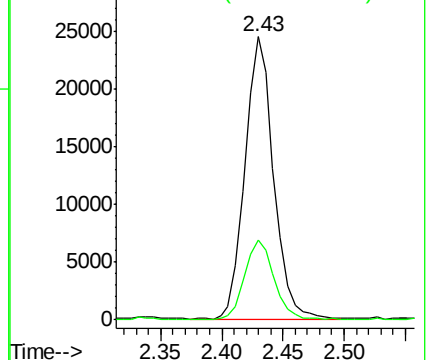
43 100

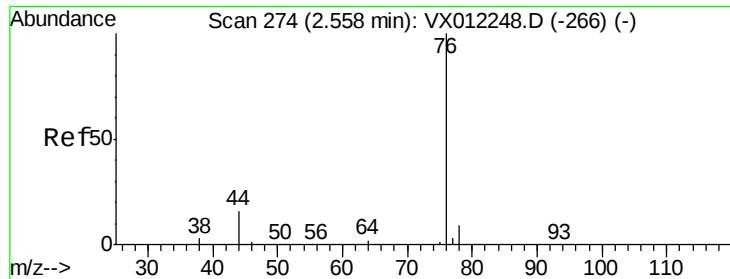
58 28.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 17.380 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012343.D

Acq: 12 Sep 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

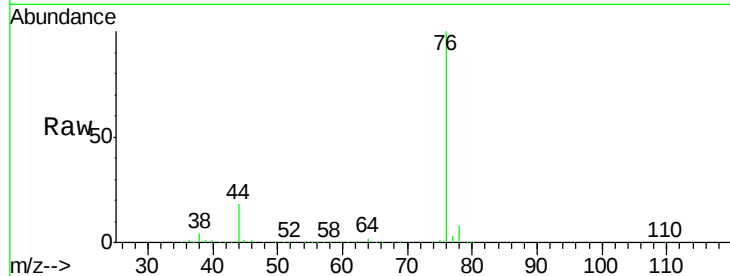
TP-20-D

Tot Ion: 76 Resp: 45488

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

30000

25000

20000

15000

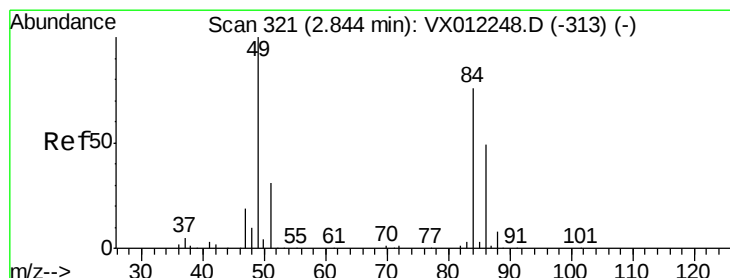
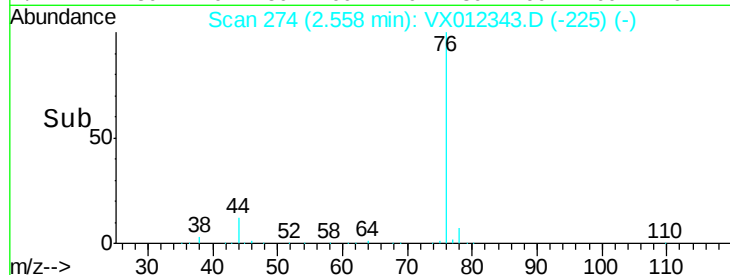
10000

5000

0

Time-->

2.50 2.55 2.60 2.65



#20

Methylene Chloride

Concen: 2.422 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012343.D

Acq: 12 Sep 2019 12:14

Tgt Ion: 84 Resp: 8478

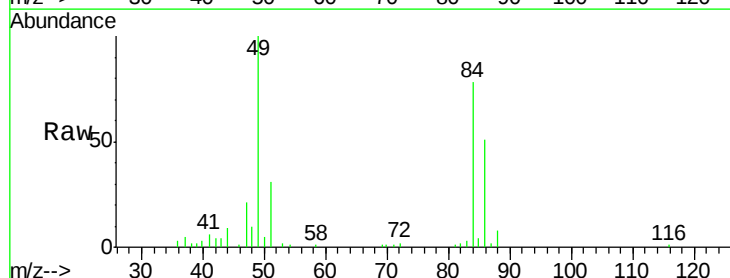
Ion Ratio Lower Upper

84 100

49 127.1 105.0 157.6

51 37.9 32.6 48.8

86 65.1 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

8000

6000

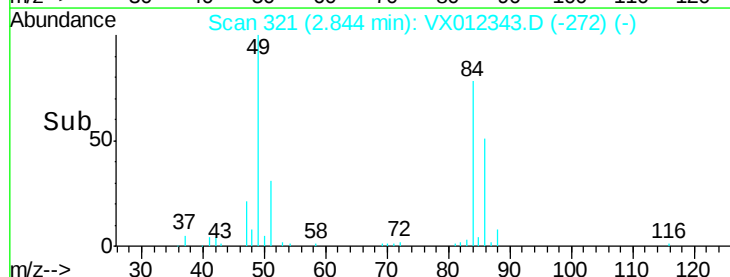
4000

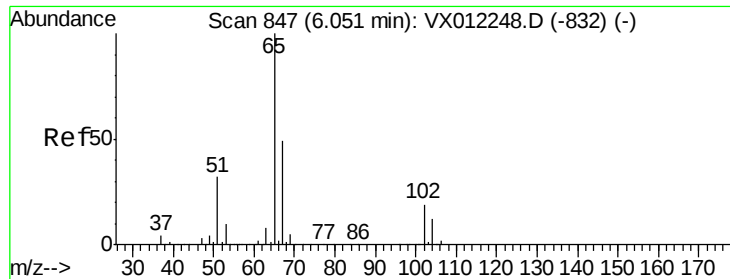
2000

0

Time-->

2.75 2.80 2.85 2.90





#33

1,2-Dichloroethane-d4

Concen: 47.236 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012343.D

Acq: 12 Sep 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

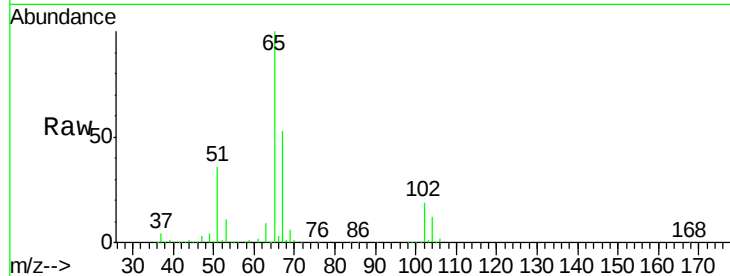
TP-20-D

Tot Ion: 65 Resp: 109995

Ion Ratio Lower Upper

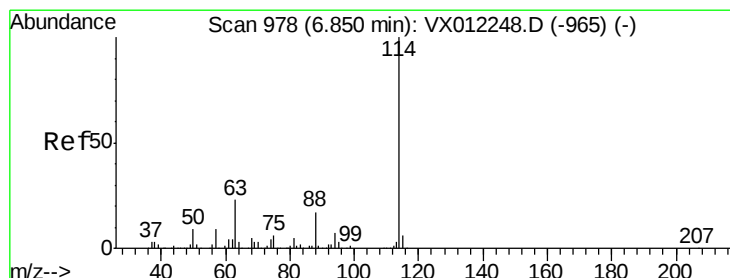
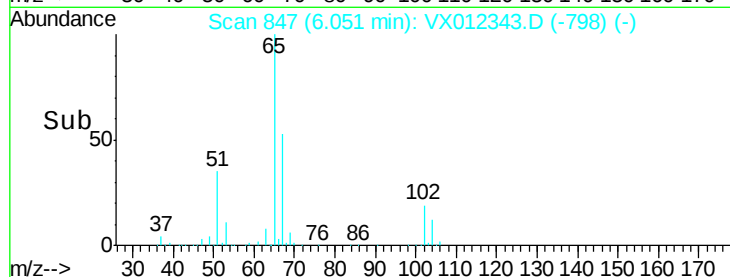
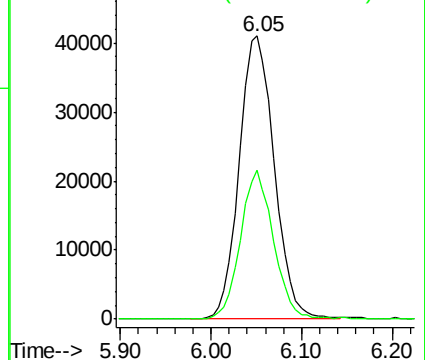
65 100

67 49.7 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012343.D

Acq: 12 Sep 2019 12:14

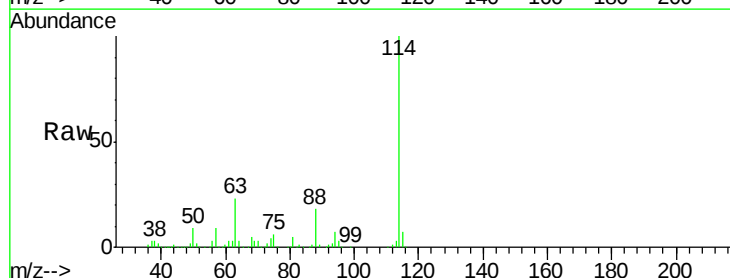
Tgt Ion: 114 Resp: 281305

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.2

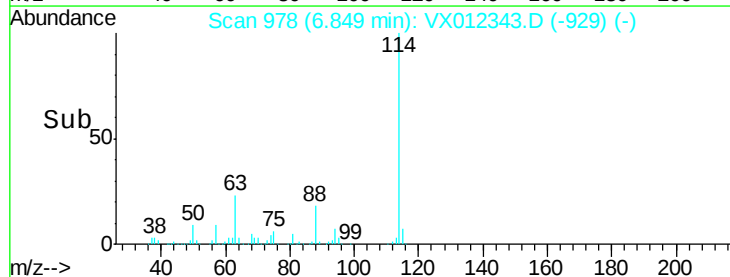
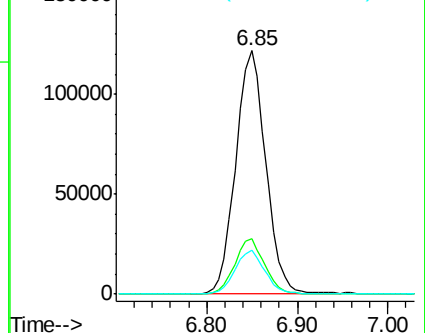
88 17.8 0.0 34.8

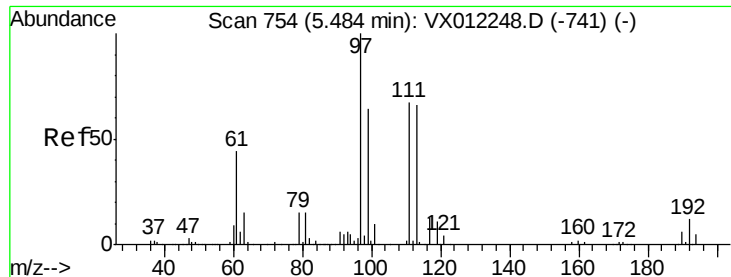


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

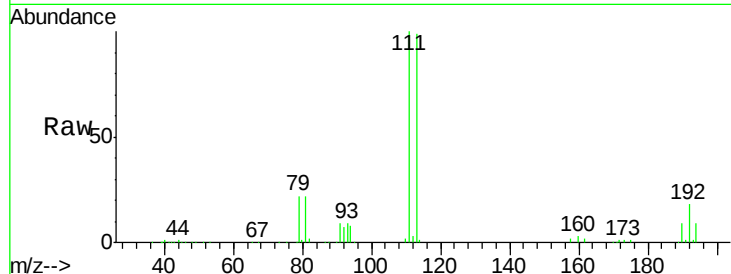




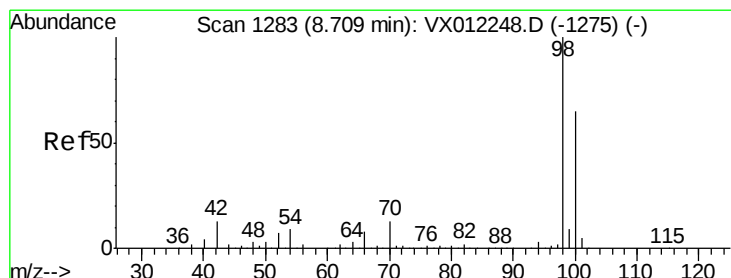
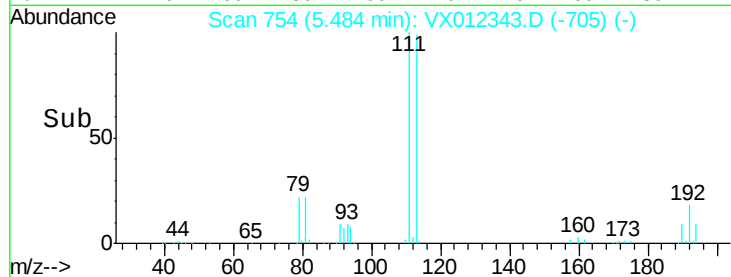
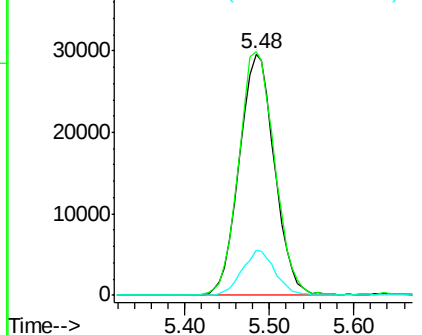
#35
 Dibromofluoromethane
 Concen: 46.301 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012343.D
 Acq: 12 Sep 2019 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-20-D

Tot Ion:113 Resp: 83494
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.0 124.6
 192 17.7 14.3 21.5

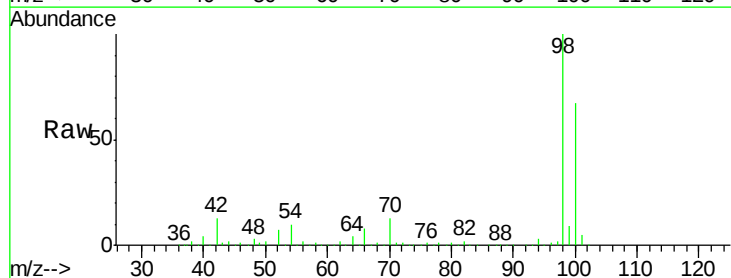


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

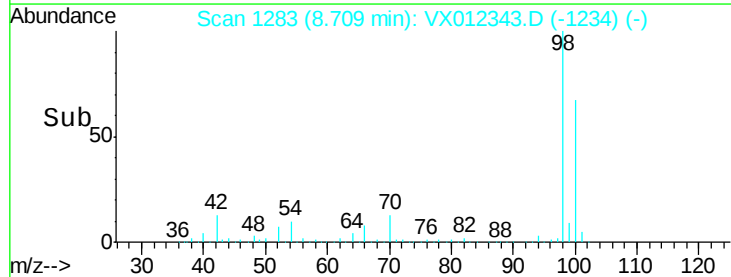
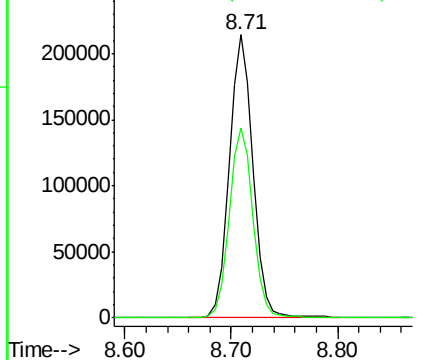


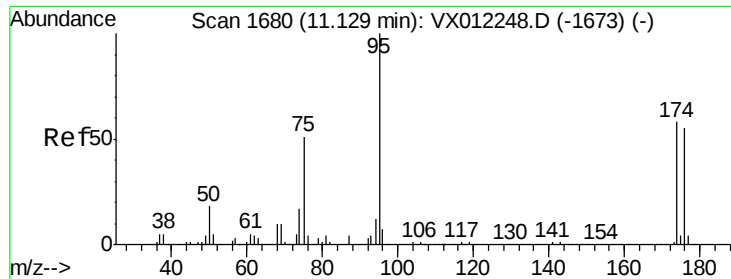
#50
 Toluene-d8
 Concen: 52.697 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012343.D
 Acq: 12 Sep 2019 12:14

Tgt Ion: 98 Resp: 333295
 Ion Ratio Lower Upper
 98 100
 100 67.7 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 42.438 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX012343.D

Acq: 12 Sep 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

TP-20-D

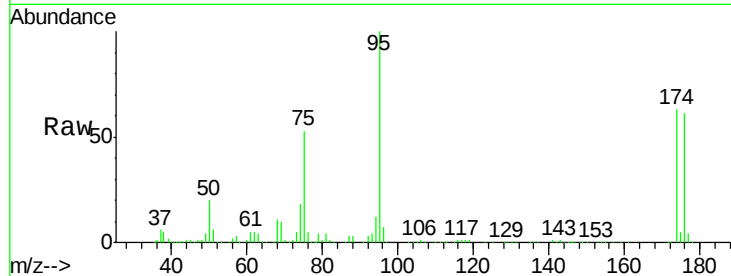
Tot Ion: 95 Resp: 124436

Ion Ratio Lower Upper

95 100

174 68.8 0.0 127.0

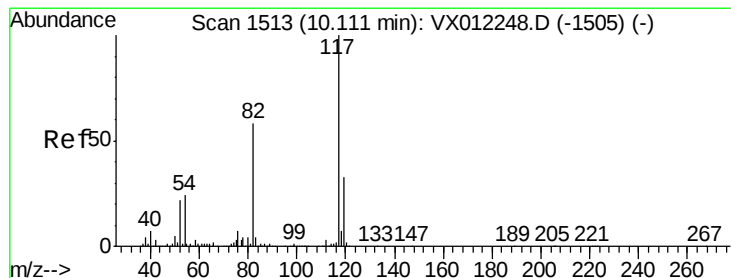
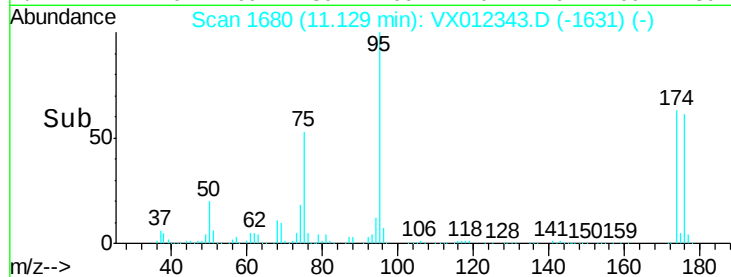
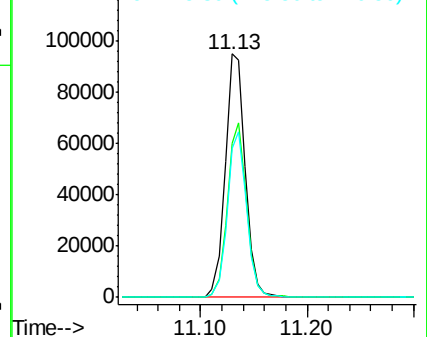
176 65.3 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012343.D

Acq: 12 Sep 2019 12:14

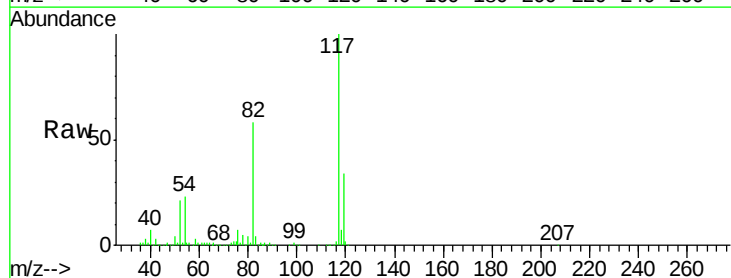
Tgt Ion: 117 Resp: 246985

Ion Ratio Lower Upper

117 100

82 57.9 46.4 69.6

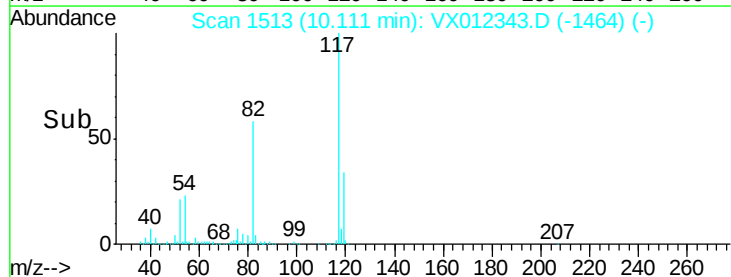
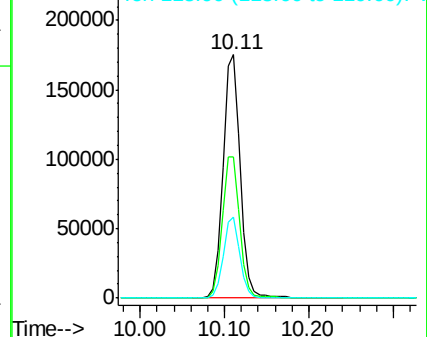
119 33.5 26.6 39.8

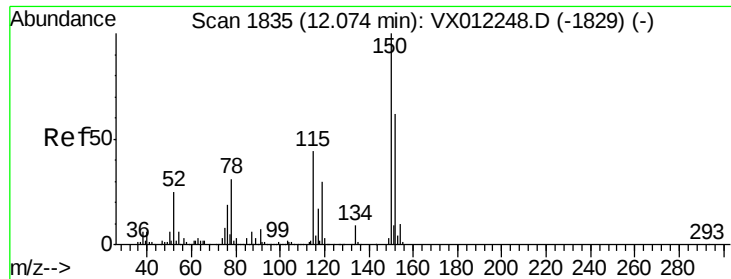


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012343.D

Acq: 12 Sep 2019 12:14

Instrument :

MSVOA_X

ClientSampleId :

TP-20-D

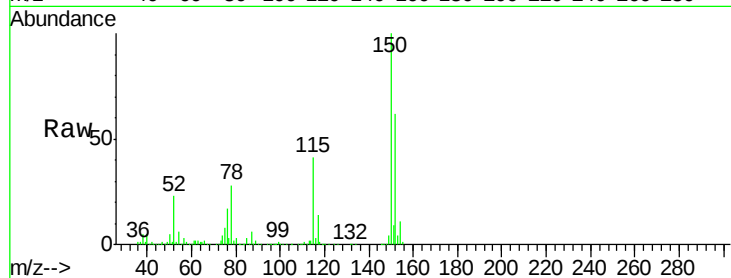
Tot Ion:152 Resp: 100353

Ion Ratio Lower Upper

152 100

115 65.2 45.5 136.4

150 158.9 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

